

Syllabus
U.S. Department of Energy Office of Science's Pre Service Teacher (PST)
Brookhaven National Laboratory (BNL)

June 2 – August 8, 2003

Week I (June 2-7) Students participate in Enrichment Component and work in their laboratories

Sunday, June 1 Arrival

Dormitory Check-in
Welcome Dinner with OEP staff at the Brookhaven Center

Monday, June 2

Arrival – local students
Dormitory Check-in
9:00-11:00 Students spend morning in attendance at the new appointee orientation for all summer students. Berkner Auditorium

11:00 – 12:00 Group 1 Lunch with their mentors Berkner Hall
12:00 – 1:00 Group 2 Lunch with their mentors Berkner Hall

1:00 – 2:30 Students spend afternoon at Safety Lecture (GET).
2:30 - Department check-in, meeting their mentors and settling in.

Tuesday, June 3

3:30 – 5:00 First day of Enrichment component which includes journal distribution, discussion of student programmatic deliverables, and research paper that each student will produce
11:00 – 12:00 Library Orientation
Students will take additional safety training as required

Afternoon -. All students report to their departments

Wednesday, June 4

Students in Life Science- Training **8:30 – 10:30**
Students in Physics – Training **10:00 - 12:00**(Bldg 510, Orange Room)
All students in their departments unless involved in training

9:00 – 10:30 Bus tour- Group 1- General lab Tour

1:00 – 2:30 Bus tour- Group 2 – General lab tour

Thursday, June 5

8:30 – noon – Research departments
3:30 – 5:00 Bldg 438 Classroom Enrichment Activities

Friday, June 6

All day – Research departments
12:00 – 1:00 Brown Bag lunch seminar
Complete on line feedback form
5:00 – 8:00 Science Museum Mixer for students, mentors, OEP staff

June 9-13 (Week 2)

Students work in their laboratories Monday through Friday
Complete feedback form on line

Mon. and Tues
Fri.

7:00-9:00PM Enrichment Component continues each covering various topics
1:00-5:00PM

- **General discussions regarding assignments**
- **Begin discussion of learning theory**
- **Constructivism and science teaching**

	<ul style="list-style-type: none"> • Teach a model lesson- Pulleys • Friday lunch seminar
June 16-20 (Week 3)	Students work in their laboratories Monday through Friday Abstracts – first draft due Complete feedback form on line
Mon. and Tues Friday	7:00-9:00PM Enrichment Component continues each covering various topics: 1:00-5:00PM <ul style="list-style-type: none"> • Discussions regarding research assignments • Sharing of student experiences • Begin discussing Educational Modules • Teach a model lesson – Bouncing Balls • Friday lunch seminar
June 23-27 (Week 4)	Students work in their laboratories Monday through Friday Complete feedback form on line
Mon. and Tues Fri	7:00– 9:00PM Enrichment Component continues each covering various topics 1:00-5:00PM <ul style="list-style-type: none"> • Student guided tours of each other’s labs • Begin writing Education Module • Ethics in science • Discussion of What Makes a Good Teacher • Friday Lunch Seminar
June 30-July 3 (Week 5)	Students work in their laboratories Monday, Tuesday, and Wednesday Complete feedback form on line
Fri, July 4	Holiday, Laboratory Closed
Mon. and Tues	7:00-9:00PM Enrichment Component continues each covering various topics: <ul style="list-style-type: none"> • Discussions regarding research assignments • Sharing educational modules • Discuss National Standards
July 7-11 (Week 6)	Students work in their laboratories Monday through Thursday
Mon. and Tues Fri	7:00-9:00PM Enrichment Component continues each covering various topics 1:00 – 5:00PM <ul style="list-style-type: none"> • Discussions regarding research assignments • Power Point workshop • Discussion of Rubrics/Evaluation • Friday Lunch Seminar
July 14-18 (Week 7)	Students work in their laboratories Monday through Friday Abstracts – updates due Complete feedback form on line
Mon. and Tues Fri.	7:00 – 9:00PM Enrichment Component continues each covering various topics: 1:00-5:00PM <ul style="list-style-type: none"> • Students work on the Educational Modules • Tour of Glass Blowing Lab • Friday Lunch Seminar
July 21-25(Week 8)	Students work in their laboratories Monday through Thursday Complete feedback form on line

Mon. and Tues Fri.	7:00-9:00PM Enrichment Component continues each covering various topics: 1:00-5:00PM <ul style="list-style-type: none"> • Begin Work On Abstract • Continue work on Educational Modules • Work on Research Papers • Friday Lunch Seminars
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July 28-Aug 1 (Week 9) Students work in their laboratories Monday through Friday
Complete feedback form on line

Mon. and Tues. Fri.	7:00-9:00PM Enrichment Component continues each covering various topics: 1:00-5:00PM <ul style="list-style-type: none"> • Students Work on Posters • Students Work on Educational Modules • Abstract Review • Friday Lunch Seminar
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August 4 – 8 (Week 10) Students work in their laboratories and on their presentations all week.

Mon. and Tues	7:00-9:00PM Enrichment Component
Wednesday, August 6	<ul style="list-style-type: none"> • Finish working on all required deliverables Poster Presentations - dry run
Thursday, August 7	Poster Presentations & Closing Ceremonies
Friday, August 8 Last Day.	Students' deliverables due: <ul style="list-style-type: none"> • Lesson Plan and abstract (hard copy) • Electronic copies of poster session, technical presentation, and lesson plan • BNL exit survey • DOE Post survey through EduLink • Paycheck distribution/ Check out